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12-7-01

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/913,491

DATE: 08/30/2001
TIME: 07:49:52

Input Set : A:\ES.txt
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ENTERED

3 <110> APPLICANT: GROMOLL, Jorg
4 SIMONI, Manuela
5 BEHRE, Herrmann M
6 NIESCHLAG, Eberhard
7 PEREZ, Maritza
9 <120> TITLE OF INVENTION: Genetic Variants of the Human FSH Receptor and the
10 Influence Thereof on Gametogenesis
12 <130> FILE REFERENCE: 003235wo/JH/ml
C--> 14 <140> CURRENT APPLICATION NUMBER: US/09/913,491
C--> 15 <141> CURRENT FILING DATE: 2001-08-15
17 <160> NUMBER OF SEQ ID NOS: 19
19 <170> SOFTWARE: PatentIn Ver. 2.1
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214 <211> LENGTH: 1243
215 <212> TYPE: DNA
216 <213> ORGANISM: Homo sapiens
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223 agaggatttg acatgacgta cactgagttt gactatgact tatgcaatga agtggttgac 180
224 gtgacctgct cccctaagcc agatgcattc aacccatgtg aagatatcat ggggtacaac 240
225 atcctcagag tcttgatatg gtttatcagc atcctggcca tctactggga catcatagtg 300
226 ctagtgatcc taactaccag ccaatataaa ctacacagtc ccaggttcct tatgtgcaac 360
227 ctggcctttg ctgatctctg cattggaatc tacctgctgc tcattgcatc agttgatatc 420
228 cataccaaga gccaatatca caactatgcc attgactggc aaactggggc aggctgtgat 480
229 gctgctggct ttttactgt ctttgccagt gagctgtcag tctacactcc gacagctatc 540
230 accttgaaaa gatggcatac catcacgcat gccatgcagc tggactgcaa ggtgcagctc 600
231 cgccatgctg ccagtgtcat ggtgatgggc tggatttttg cttttgcagc tgccctcttt 660
232 cccatctttg gcacagcag ctacatgaag gtgagcatct gcctgcccat ggatattgac 720
233 agccctttgt cacagctgta tgtcatgtcc ctcttctgtc tcaatgtcct ggcctttgtg 780
234 gtcatctgtg gctgctatat ccacatctac ctacacagtc ggaaccccaa catcgtgtcc 840
235 tctctagtgt acaccaggtc gccaaagcga tggccatgct catcttctact gacttctctt 900
236 gcatggcacc catttctttc tttgccattt ctgcctccct caagggtgcc ctcatcactg 960
237 tgtccaaagc aaagattctg ctggttctgt ttcaccccat caactcctgt gccaacccct 1020
238 tctctatgct catctttacc aaaaactttc gcagagattt cttcattctg ctgagcaagt 1080
239 gtggctgcta tgaaatgcaa gcccaaattt ataggacaga aacttcatcc actgtccaca 1140
240 acacccatcc aaggaatggc cactgctctt cagctccagc agtcaccagt ggttccacta 1200
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244 <210> SEQ ID NO: 18

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250 <221> NAME/KEY: CDS

251 <222> LOCATION: (104)..(1333)

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255 ggatctgaga tgttgattct atttcttttt gtatttttct agc tct gag ctt cat 115
256                                     Ser Glu Leu His
257                                     1
258
260 cca att tgc aac aaa tct att tta agg caa gaa gtt gat tat atg act 163
261 Pro Ile Cys Asn Lys Ser Ile Leu Arg Gln Glu Val Asp Tyr Met Thr
262   5          10          15          20
264 cag act agg ggt cag aga tcc tct ctg gca gaa gac aat gag tcc agc 211
265 Gln Thr Arg Gly Gln Arg Ser Ser Leu Ala Glu Asp Asn Glu Ser Ser
266          25          30          35
268 tac agc aga gga ttt gac atg acg tac act gag ttt gac tat gac tta 259
269 Tyr Ser Arg Gly Phe Asp Met Thr Tyr Thr Glu Phe Asp Tyr Asp Leu
270          40          45          50
272 tgc aat gaa gtg gtt gac gtg acc tgc tcc cct aag cca gat gca ttc 307
273 Cys Asn Glu Val Val Asp Val Thr Cys Ser Pro Lys Pro Asp Ala Phe
274          55          60          65
276 aac cca tgt gaa gat atc atg ggg tac aac atc ctc aga gtc ctg ata 355
277 Asn Pro Cys Glu Asp Ile Met Gly Tyr Asn Ile Leu Arg Val Leu Ile
278   70          75          80

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280	tgg	ttt	atc	agc	atc	ctg	gcc	atc	act	ggg	aac	atc	ata	gtg	cta	gtg	403
281	Trp	Phe	Ile	Ser	Ile	Leu	Ala	Ile	Thr	Gly	Asn	Ile	Ile	Val	Leu	Val	
282	85					90					95					100	
284	atc	cta	act	acc	agc	caa	tat	aaa	ctc	aca	gtc	ccc	agg	ttc	ctt	atg	451
285	Ile	Leu	Thr	Thr	Ser	Gln	Tyr	Lys	Leu	Thr	Val	Pro	Arg	Phe	Leu	Met	
286					105					110						115	
288	tgc	aac	ctg	gcc	ttt	gct	gat	ctc	tgc	att	gga	atc	tac	ctg	ctg	ctc	499
289	Cys	Asn	Leu	Ala	Phe	Ala	Asp	Leu	Cys	Ile	Gly	Ile	Tyr	Leu	Leu	Leu	
290				120					125					130			
292	att	gca	tca	gtt	gat	atc	cat	acc	aag	agc	caa	tat	cac	aac	tat	gcc	547
293	Ile	Ala	Ser	Val	Asp	Ile	His	Thr	Lys	Ser	Gln	Tyr	His	Asn	Tyr	Ala	
294				135					140					145			
296	att	gac	tgg	caa	act	ggg	gca	ggc	tgt	gat	gct	gct	ggc	ttt	ttc	act	595
297	Ile	Asp	Trp	Gln	Thr	Gly	Ala	Gly	Cys	Asp	Ala	Ala	Gly	Phe	Phe	Thr	
298		150					155						160				
300	gtc	ttt	gcc	agt	gag	ctg	tca	gtc	tac	act	ctg	aca	gct	atc	acc	ttg	643
301	Val	Phe	Ala	Ser	Glu	Leu	Ser	Val	Tyr	Thr	Leu	Thr	Ala	Ile	Thr	Leu	
302	165					170					175					180	
304	gaa	aga	tgg	cat	acc	atc	acg	cat	gcc	atg	cag	ctg	gac	tgc	aag	gtg	691
305	Glu	Arg	Trp	His	Thr	Ile	Thr	His	Ala	Met	Gln	Leu	Asp	Cys	Lys	Val	
306				185					190							195	
308	cag	ctc	cgc	cat	gct	gcc	agt	gtc	atg	gtg	atg	ggc	tgg	att	ttt	gct	739
309	Gln	Leu	Arg	His	Ala	Ala	Ser	Val	Met	Val	Met	Gly	Trp	Ile	Phe	Ala	
310				200					205					210			
312	ttt	gca	gct	gcc	ctc	ttt	ccc	atc	ttt	ggc	atc	agc	agc	tac	atg	aag	787
313	Phe	Ala	Ala	Ala	Leu	Phe	Pro	Ile	Phe	Gly	Ile	Ser	Ser	Tyr	Met	Lys	
314				215					220					225			
316	gtg	agc	atc	tgc	ctg	ccc	atg	gat	att	gac	agc	cct	ttg	tca	cag	ctg	835
317	Val	Ser	Ile	Cys	Leu	Pro	Met	Asp	Ile	Asp	Ser	Pro	Leu	Ser	Gln	Leu	
318		230					235						240				
320	tat	gtc	atg	tcc	ctc	ctt	gtg	ctc	aat	gtc	ctg	gcc	ttt	gtg	gtc	atc	883
321	Tyr	Val	Met	Ser	Leu	Leu	Val	Leu	Asn	Val	Leu	Ala	Phe	Val	Val	Ile	
322	245					250					255					260	
324	tgt	ggc	tgc	tat	atc	cac	atc	tac	ctc	aca	gtg	cgg	aac	ccc	aac	atc	931
325	Cys	Gly	Cys	Tyr	Ile	His	Ile	Tyr	Leu	Thr	Val	Arg	Asn	Pro	Asn	Ile	
326				265					270						275		
328	gtg	tcc	tcc	tct	agt	gac	acc	agg	atc	gcc	aag	cgc	atg	gcc	atg	ctc	979
329	Val	Ser	Ser	Ser	Ser	Asp	Thr	Arg	Ile	Ala	Lys	Arg	Met	Ala	Met	Leu	
330				280					285					290			
332	atc	ttc	act	gac	ttc	ctc	tgc	atg	gca	ccc	att	tct	ttc	ttt	gcc	att	1027
333	Ile	Phe	Thr	Asp	Phe	Leu	Cys	Met	Ala	Pro	Ile	Ser	Phe	Phe	Ala	Ile	
334				295					300					305			
336	tct	gcc	tcc	ctc	aag	gtg	ccc	ctc	atc	act	gtg	tcc	aaa	gca	aag	att	1075
337	Ser	Ala	Ser	Leu	Lys	Val	Pro	Leu	Ile	Thr	Val	Ser	Lys	Ala	Lys	Ile	
338		310					315						320				
340	ctg	ctg	gtt	ctg	ttt	cac	ccc	atc	aac	tcc	tgt	gcc	aac	ccc	ttc	ctc	1123
341	Leu	Leu	Val	Leu	Phe	His	Pro	Ile	Asn	Ser	Cys	Ala	Asn	Pro	Phe	Leu	
342	325					330					335					340	
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VERIFICATION SUMMARY

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L:15 M:271 C: Current Filing Date differs, Replaced Current Filing Date